

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,508
Source: JEW
Date Processed by STIC: 6/28/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10|582,508

CRF Edit Date: 6/28/06
Edited by: JCL

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006
TIME: 14:50:12

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06282006\J582508.raw

3 <110> APPLICANT: Hisamitsu Pharmaceutical Co., Inc.; Chiba-Prefecture
 5 <120> TITLE OF INVENTION: Method for Determining Clinical Severity of FALS
 7 <130> FILE REFERENCE: FP04-0444-00WO-HM
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/582,508
 C--> 10 <141> CURRENT FILING DATE: 2006-06-09
 12 <150> PRIOR APPLICATION NUMBER: JP 2003-413629
 13 <151> PRIOR FILING DATE: 2003-12-11
 15 <160> NUMBER OF SEQ ID NOS: 4
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1585
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION:
 W--> 27 <400> 1
 28 Met Ala Ser Pro Ser Arg Asn Ser Gln Ser Arg Arg Arg Cys Lys Glu
 29 1 5 10 15
 31 Pro Leu Arg Tyr Ser Tyr Asn Pro Asp Gln Phe His Asn Met Asp Leu
 32 20 25 30
 34 Arg Gly Gly Pro His Asp Gly Val Thr Ile Pro Arg Ser Thr Ser Asp
 35 35 40 45
 37 Thr Asp Leu Val Thr Ser Asp Ser Arg Ser Thr Leu Met Val Ser Ser
 38 50 55 60
 40 Ser Tyr Tyr Ser Ile Gly His Ser Gln Asp Leu Val Ile His Trp Asp
 41 65 70 75 80
 43 Ile Lys Glu Glu Val Asp Ala Gly Asp Trp Ile Gly Met Tyr Leu Ile
 44 85 90 95
 46 Asp Glu Val Leu Ser Glu Asn Phe Leu Asp Tyr Lys Asn Arg Gly Val
 47 100 105 110
 49 Asn Gly Ser His Arg Gly Gln Ile Ile Trp Lys Ile Asp Ala Ser Ser
 50 115 120 125
 52 Tyr Phe Val Glu Pro Glu Thr Lys Ile Cys Phe Lys Tyr Tyr His Gly
 53 130 135 140
 55 Val Ser Gly Ala Leu Arg Ala Thr Thr Pro Ser Val Thr Val Lys Asn
 56 145 150 155 160
 58 Ser Ala Ala Pro Ile Phe Lys Ser Ile Gly Ala Asp Glu Thr Val Gln
 59 165 170 175
 61 Gly Gln Gly Ser Arg Arg Leu Ile Ser Phe Ser Leu Ser Asp Phe Gln
 62 180 185 190
 64 Ala Met Gly Leu Lys Lys Gly Met Phe Phe Asn Pro Asp Pro Tyr Leu
 65 195 200 205
 67 Lys Ile Ser Ile Gln Pro Gly Lys His Ser Ile Phe Pro Ala Leu Pro

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006
TIME: 14:50:12

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06282006\J582508.raw

68	210	215	220
70	His His Gly Gln Glu Arg Arg Ser Lys Ile Ile Gly Asn Thr Val Asn		
71	225	230	235
73	240	245	250
74	255	260	265
76	270	275	280
77	285	290	295
79	300	305	310
80	315	320	325
82	330	335	340
83	345	350	355
84	360	365	370
85	375	380	385
86	390	395	395
87	400	405	410
88	415	420	425
89	430	435	440
90	445	450	455
91	460	465	470
92	475	480	485
93	490	495	490
94	495	500	505
95	510	515	520
96	525	530	535
97	540	545	550
98	555	560	565
99	570	575	580
100	585	590	595
101	600	605	600

100 Gly Asn Gln Ser Ile Glu Leu Ser Arg Pro Ala Glu Glu Ala Ala Val
 101 385 390 395 400
 102 Ile Thr Glu Ala Gly Asp Gln Gly Met Val Ser Val Gly Pro Glu Gly
 103 405 410 415 420
 104 Ala Gly Glu Leu Ala Gln Val Gln Lys Asp Ile Gln Pro Ala Pro
 105 425 430 435 440
 106 Ser Ala Glu Glu Leu Ala Glu Gln Leu Asp Leu Gly Glu Ala Ser
 107 445 450 455 460
 108 Ala Leu Leu Leu Glu Asp Gly Glu Ala Pro Ala Ser Thr Lys Glu Glu
 109 460 465 470 475
 110 Pro Leu Glu Glu Ala Thr Thr Gln Ser Arg Ala Gly Arg Glu Glu
 111 480 485 490 495
 112 Glu Glu Lys Glu Gln Glu Glu Gly Asp Val Ser Thr Leu Glu Gln
 113 495 500 505 510
 114 Gly Glu Gly Arg Leu Gln Leu Arg Ala Ser Val Lys Arg Lys Ser Arg
 115 510 515 520 525
 116 Pro Cys Ser Leu Pro Val Ser Glu Leu Glu Thr Val Ile Ala Ser Ala
 117 530 535 540 545
 118 Cys Gly Asp Pro Glu Thr Pro Arg Thr His Tyr Ile Arg Ile His Thr
 119 550 555 560 565
 120 Leu Leu His Ser Met Pro Ser Ala Gln Gly Ser Ala Ala Glu Glu
 121 570 575 580 585
 122 Glu Asp Gly Ala Glu Glu Glu Ser Thr Leu Lys Asp Ser Ser Glu Lys
 123 590 595 600 605

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006
TIME: 14:50:12

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06282006\J582508.raw

142 Pro Gly His Ser Gly Gly His Phe Pro Ser Leu Ala Asn Gly Ala Ala
143 610 615 620
145 Gln Asp Gly Asp Thr His Pro Ser Thr Gly Ser Glu Ser Asp Ser Ser
146 625 630 635 640
148 Pro Arg Gln Gly Gly Asp His Ser Cys Glu Gly Cys Asp Ala Ser Cys
149 645 650 655
151 Cys Ser Pro Ser Cys Tyr Ser Ser Cys Tyr Ser Thr Ser Cys Tyr
152 660 665 670
154 Ser Ser Ser Cys Tyr Ser Ala Ser Cys Tyr Ser Pro Ser Cys Tyr Asn
155 675 680 685
157 Gly Asn Arg Phe Ala Ser His Thr Arg Phe Ser Ser Val Asp Ser Ala
158 690 695 700
160 Lys Ile Ser Glu Ser Thr Val Phe Ser Ser Gln Asp Asp Glu Glu Glu
161 705 710 715 720
163 Glu Asn Ser Ala Phe Glu Ser Val Pro Asp Ser Met Gln Ser Pro Glu
164 725 730 735
166 Leu Asp Pro Glu Ser Thr Asn Gly Ala Gly Pro Trp Gln Asp Glu Leu
167 740 745 750
169 Ala Ala Pro Ser Gly His Val Glu Arg Ser Pro Glu Gly Leu Glu Ser
170 755 760 765
172 Pro Val Ala Gly Pro Ser Asn Arg Arg Glu Gly Glu Cys Pro Ile Leu
173 770 775 780
175 His Asn Ser Gln Pro Val Ser Gln Leu Pro Ser Leu Arg Pro Glu His
176 785 790 795 800
178 His His Tyr Pro Thr Ile Asp Glu Pro Leu Pro Pro Asn Trp Glu Ala
179 805 810 815
181 Arg Ile Asp Ser His Gly Arg Val Phe Tyr Val Asp His Val Asn Arg
182 820 825 830
184 Thr Thr Thr Trp Gln Arg Pro Thr Ala Ala Ala Thr Pro Asp Gly Met
185 835 840 845
187 Arg Arg Ser Gly Ser Ile Gln Gln Met Glu Gln Leu Asn Arg Arg Tyr
188 850 855 860
190 Gln Asn Ile Gln Arg Thr Ile Ala Thr Glu Arg Ser Glu Glu Asp Ser
191 865 870 875 880
193 Gly Ser Gln Ser Cys Glu Gln Ala Pro Ala Gly Gly Gly Gly Gly
194 885 890 895
196 Gly Ser Asp Ser Glu Ala Glu Ser Ser Gln Ser Ser Leu Asp Leu Arg
197 900 905 910
199 Arg Glu Gly Ser Leu Ser Pro Val Asn Ser Gln Lys Ile Thr Leu Leu
200 915 920 925
202 Leu Gln Ser Pro Ala Val Lys Phe Ile Thr Asn Pro Glu Phe Phe Thr
203 930 935 940
205 Val Leu His Ala Asn Tyr Ser Ala Tyr Arg Val Phe Thr Ser Ser Thr
206 945 950 955 960
208 Cys Leu Lys His Met Ile Leu Lys Val Arg Arg Asp Ala Arg Asn Phe
209 965 970 975
211 Glu Arg Tyr Gln His Asn Arg Asp Leu Val Asn Phe Ile Asn Met Phe
212 980 985 990
214 Ala Asp Thr Arg Leu Glu Leu Pro Arg Gly Trp Glu Ile Lys Thr Asp

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006
TIME: 14:50:12

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06282006\J582508.raw

215	995	1000	1005
217	Gln Gln Gly Lys Ser Phe Phe Val Asp His Asn Ser Arg Ala Thr Thr		
218	1010	1015	1020
220	Phe Ile Asp Pro Arg Ile Pro Leu Gln Asn Gly Arg Leu Pro Asn His		
221	1025	1030	1035
223	Leu Thr His Arg Gln His Leu Gln Arg Leu Arg Ser Tyr Ser Ala Gly		1040
224	1045	1050	1055
226	Glu Ala Ser Glu Val Ser Arg Asn Arg Gly Ala Ser Leu Leu Ala Arg		
227	1060	1065	1070
229	Pro Gly His Ser Leu Val Ala Ala Ile Arg Ser Gln His Gln His Glu		
230	1075	1080	1085
232	Ser Leu Pro Leu Ala Tyr Asn Asp Lys Ile Val Ala Phe Leu Arg Gln		
233	1090	1095	1100
235	Pro Asn Ile Phe Glu Met Leu Gln Glu Arg Gln Pro Ser Leu Ala Arg		
236	1105	1110	1115
238	Asn His Thr Leu Arg Glu Lys Ile His Tyr Ile Arg Thr Glu Gly Asn		1120
239	1125	1130	1135
241	His Gly Leu Glu Lys Leu Ser Cys Asp Ala Asp Leu Val Ile Leu Leu		
242	1140	1145	1150
244	Ser Leu Phe Glu Glu Glu Ile Met Ser Tyr Val Pro Leu Gln Ala Ala		
245	1155	1160	1165
247	Phe His Pro Gly Tyr Ser Phe Ser Pro Arg Cys Ser Pro Cys Ser Ser		
248	1170	1175	1180
250	Pro Gln Asn Ser Pro Gly Leu Gln Arg Ala Ser Ala Arg Ala Pro Ser		
251	1185	1190	1195
253	Pro Tyr Arg Arg Asp Phe Glu Ala Lys Leu Arg Asn Phe Tyr Arg Lys		1200
254	1205	1210	1215
256	Leu Glu Ala Lys Gly Phe Gly Gln Gly Pro Gly Lys Ile Lys Leu Ile		
257	1220	1225	1230
259	Ile Arg Arg Asp His Leu Leu Glu Gly Thr Phe Asn Gln Val Met Ala		
260	1235	1240	1245
262	Tyr Ser Arg Lys Glu Leu Gln Arg Asn Lys Leu Tyr Val Thr Phe Val		
263	1250	1255	1260
265	Gly Glu Glu Gly Leu Asp Tyr Ser Gly Pro Ser Arg Glu Phe Phe Phe		
266	1265	1270	1275
268	Leu Leu Ser Gln Glu Leu Phe Asn Pro Tyr Tyr Gly Leu Phe Glu Tyr		1280
269	1285	1290	1295
271	Ser Ala Asn Asp Thr Tyr Thr Val Gln Ile Ser Pro Met Ser Ala Phe		
272	1300	1305	1310
274	Val Glu Asn His Leu Glu Trp Phe Arg Phe Ser Gly Arg Ile Leu Gly		
275	1315	1320	1325
277	Leu Ala Leu Ile His Gln Tyr Leu Leu Asp Ala Phe Phe Thr Arg Pro		
278	1330	1335	1340
280	Phe Tyr Lys Ala Leu Leu Arg Leu Pro Cys Asp Leu Ser Asp Leu Glu		
281	1345	1350	1355
283	Tyr Leu Asp Glu Glu Phe His Gln Ser Leu Gln Trp Met Lys Asp Asn		1360
284	1365	1370	1375
286	Asn Ile Thr Asp Ile Leu Asp Leu Thr Phe Thr Val Asn Glu Glu Val		
287	1380	1385	1390

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006

TIME: 14:50:13

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06282006\J582508.raw

289 Phe Gly Gln Val Thr Glu Arg Glu Leu Lys Ser Gly Gly Ala Asn Thr
 290 1395 1400 1405
 292 Gln Val Thr Glu Lys Asn Lys Lys Glu Tyr Ile Glu Arg Met Val Lys
 293 1410 1415 1420
 295 Trp Arg Val Glu Arg Gly Val Val Gln Gln Thr Glu Ala Leu Val Arg
 296 1425 1430 1435 1440
 298 Gly Phe Tyr Glu Val Val Asp Ser Arg Leu Val Ser Val Phe Asp Ala
 299 1445 1450 1455
 301 Arg Glu Leu Glu Leu Val Ile Ala Gly Thr Ala Glu Ile Asp Leu Asn
 302 1460 1465 1470
 304 Asp Trp Arg Asn Asn Thr Glu Tyr Arg Gly Gly Tyr His Asp Gly His
 305 1475 1480 1485
 307 Leu Val Ile Arg Trp Phe Trp Ala Ala Val Glu Arg Phe Asn Asn Glu
 308 1490 1495 1500
 310 Gln Arg Leu Arg Leu Leu Gln Phe Val Thr Gly Thr Ser Ser Val Pro
 311 1505 1510 1515 1520
 313 Tyr Glu Gly Phe Ala Ala Leu Arg Gly Ser Asn Gly Leu Arg Arg Phe
 314 1525 1530 1535
 316 Cys Ile Glu Lys Trp Gly Lys Ile Thr Ser. Leu Pro Arg Ala His Thr
 317 1540 1545 1550
 319 Cys Phe Asn Arg Leu Asp Leu Pro Pro Tyr Pro Ser Tyr Ser Met Leu
 320 1555 1560 1565
 322 Tyr Glu Lys Leu Leu Thr Ala Val Glu Glu Thr Ser Thr Phe Gly Leu
 323 1570 1575 1580

325 Glu

326 1585

329 <210> SEQ ID NO: 2

330 <211> LENGTH: 6200

331 <212> TYPE: DNA

332 <213> ORGANISM: Homo sapiens

334 <220> FEATURE:

335 <223> OTHER INFORMATION:

W--> 337 <400> 2

338 ggtttttagg cctggccgcc atggcgtctc cttctagaaa ctcccagagc cgacgcccgt 60
 339 gcaaggagcc gctccgatac agctacaacc ccgaccagtt ccacaacatg gacctcaggg 120
 340 gcccccccca cgatggcgtc accattcccc gtcaccagg cgacactgac ctggtcacct 180
 341 cgacacagccg ctccacgctc atggtcagca gtcctacta ttccatcggg cactctcagg 240
 342 acctggcat ccactggac ataaaggagg aagtggacgc tggggactgg attggcatgt 300
 343 acctcattga tgaggtcttg tccgaaaact ttctggacta taaaaacccgt ggagtcaatg 360
 344 gtctctatcg gggccagatc atctggaaga tcgatgccag ctcgtacttt gtgaaacctg 420
 345 aaactaagat ctgctcaaa tactaccatg gagtgagtgg ggcctgcga gcaaccaccc 480
 346 ccagtgtcac ggtcaaaaac tcggcagctc ctattttaa aagcattggt gctgatgaga 540
 347 ccgtccaagg acaaggaagt cggaggctga tcagttctc tctctcagat ttccaagcca 600
 348 tggggttcaa gaaaggatg ttttcaacc cagaccctta tctgaagatt tccattcagc 660
 349 ctggaaaca cagcatcttc cccgcccctcc ctcaccatgg acaggagagg agatccaaga 720
 350 tcataggcaa caccgtgaac cccatctggc aggccgagca attcagttt gtgtccttgc 780
 351 ccactgacgt gctggaaatt gaggtgaagg acaagttgc caagagccgc cccatcatca 840
 352 agcgcttctt gggaaagctg tcgatccccg ttcaaagact cctggagaga cacccatag 900
 353 gggatagggt ggtcagctac acacttggcc gcaggctcc aacagatcat gtgagtggac 960

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,508

DATE: 06/28/2006

TIME: 14:50:14

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06282006\J582508.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:27 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:25

L:337 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:335



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,508

DATE: 06/21/2006
TIME: 11:10:16

Input Set : A:\Sequence Listing - Atty Dkt No 7388-88180.txt
Output Set: N:\CRF4\06212006\J582508.raw

3 <110> APPLICANT: Hisamitsu Pharmaceutical Co., Inc.; Chiba-Prefecture
 5 <120> TITLE OF INVENTION: Method for Determining Clinical Severity of FALS
 7 <130> FILE REFERENCE: FP04-0444-00WO-HM
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/582,508
 C--> 10 <141> CURRENT FILING DATE: 2006-06-09
 12 <150> PRIOR APPLICATION NUMBER: JP 2003-413629
 13 <151> PRIOR FILING DATE: 2003-12-11
 15 <160> NUMBER OF SEQ ID NOS: 4
 17 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

455 <210> SEQ ID NO: 4
 456 <211> LENGTH: 21
 457 <212> TYPE: DNA
 458 <213> ORGANISM: Artificial Sequence
 460 <220> FEATURE:
 461 <223> OTHER INFORMATION: Primer
 463 <400> SEQUENCE: 4
 464 ~~cattgaggta catgccaaatc c~~

E--> 466 1

21

**Does Not Comply
 Corrected Diskette Needed**

(pg.1)

Deleted

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,508

DATE: 06/21/2006

TIME: 11:10:17

Input Set : A:\Sequence Listing - Atty Dkt No 7388-88180.txt
Output Set: N:\CRF4\06212006\J582508.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:25
L:337 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:335
L:466 M:254 E: No. of Bases conflict, this line has no nucleotides.